

Brain Systems, Embodied Cognition, and Expanded Consciousness Framework

This document organizes each major life/cognitive compartment into observable brain systems, body systems, environmental systems, and expanded consciousness frameworks. It is not a medical diagnosis. It is a structural map of the kinds of cognition, embodiment, pattern-recognition, symbolic processing, and relational systems repeatedly visible across the materials.

1. Transcripts / Academic Learning

Domain	Brain / Nervous System Areas	Primary Cognitive Functions
Economics / Accounting	Prefrontal cortex, parietal numerical systems, executive function, working memory	Abstract systems modeling, symbolic reasoning, probabilistic analysis
Dance / Choreography	Motor cortex, cerebellum, vestibular systems, basal ganglia	Embodied timing, spatial sequencing, kinesthetic cognition
Hebrew / Language	Temporal language networks, auditory patterning systems, semantic memory	Symbolic language acquisition, grammar mapping
Photography / Visual Arts	Occipital cortex, parietal spatial systems, visual integration systems	Visual-spatial composition, symbolic imagery
Anatomy	Body-schema networks, hippocampal mapping, visual memory systems	Embodied structural understanding

2. Resumes / Work History

Domain	Brain / Nervous System Areas	Primary Cognitive Functions
Ombuds / Mediation	Anterior cingulate, social cognition systems, executive systems	Conflict navigation, fairness analysis, emotional regulation
Website Building	Sequential logic systems, visual-spatial systems, executive planning	Information architecture, multimodal integration
Teaching / Tutoring	Language systems, mirror neuron systems, working memory	Pedagogical translation and adaptive instruction
Arts Leadership	Executive systems, symbolic integration systems, social cognition	Creative systems management

3. Personal Healing Modality

Domain	Brain / Nervous System Areas	Primary Cognitive Functions
Movement Healing	Interoceptive systems, somatic mapping systems, vestibular systems	Body-based regulation and symbolic integration
Narrative / Memoir	Default mode network, autobiographical memory systems	Identity reconstruction and continuity
Nature / Ecological Healing	Sensory integration systems, parasympathetic regulation	Environmental attunement and nervous-system stabilization
Shamanic / Symbolic Work	Imaginal systems, symbolic association networks	Meaning-making and archetypal processing

4. Languages

Domain	Brain / Nervous System Areas	Primary Cognitive Functions
French	Auditory language systems, semantic processing	Adaptive immersion learning
Hebrew	Pattern-recognition systems, symbolic language systems	Complex grammar and semantic abstraction
Hawaiian	Relational language systems, auditory patterning, ecological cognition	Embodied and ancestral language processing
Turkish Teaching Cues	Gesture-language integration systems, procedural memory	Embodied teaching adaptation

5. Early Life Experiences

Domain	Brain / Nervous System Areas	Primary Cognitive Functions
Equestrian / Riding	Vestibular systems, procedural learning systems, motor planning	Risk assessment, body-environment integration
Nature Observation	Sensory integration systems, ecological attention systems	Pattern tracking and environmental awareness
Building / Repairs	Spatial planning systems, motor sequencing systems	Hands-on engineering cognition
Cooking / Family Care	Executive sequencing systems, sensory integration	Adaptive domestic systems intelligence

6. Tests / Self-Reports

Domain	Brain / Nervous System	Primary Cognitive
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	Areas	Functions
OEQ-II	Emotional processing systems, sensory amplification systems	Overexcitability and intensity patterns
Visual-Spatial Learner	Parietal visual systems, whole-pattern integration	Nonlinear/global cognition
ADHD Criteria	Attentional regulation systems, executive switching systems	Hyperfocus and distractibility patterns
2e / Giftedness	Cross-network integration systems	Simultaneous high ability + asynchronous development

7. Mystical Experiences / NDEs / ACE Score

Domain	Brain / Nervous System Areas	Primary Cognitive Functions
ACE Score Effects	Autonomic nervous system, salience network, limbic systems	Trauma adaptation and hypervigilance
NDE / OBE Phenomena	Temporal-parietal junction, default mode network, imaginal systems	Altered states, expanded symbolic cognition
Mystical Experiences	Symbolic integration systems, autobiographical meaning systems	Existential reorganization and interconnectedness perception
Consciousness Inquiry	Metacognitive systems, narrative integration systems	Philosophical and transpersonal exploration

8. Expanded Body / Mind / Cosmos Framework

This section reflects the user's own conceptual framework that cognition is not confined to the brain alone, but operates through an interconnected system involving body, environment, relational fields, symbolic meaning, and perceived cosmic connection.

System Layer	Description	Observed Functions
Brain	Neural processing and symbolic integration	Analysis, memory, language, imagination
Body	Embodied sensory and interoceptive awareness	Movement, emotion, somatic tracking
Environment	Ecological and relational interaction	Nature attunement, animal observation, regulation
Social Field	Relational/empathic systems	Teaching, mediation, group sensing
Symbolic Layer	Mythic and imaginal processing	Art, ritual, dreams, narrative
Consciousness Layer	NDE/mystical/transpersonal inquiry	Existential meaning, interconnectedness
Cosmic/Relational Layer	User-described sense of interconnected cosmos	Spiritual orientation and unity perception

NDE / Mystical Experience Notes from Research

Near-death experiences (NDEs) are studied across multiple disciplines including neuroscience, consciousness studies, transpersonal psychology, palliative medicine, religious studies, and anthropology. Research observations include:

- Reports of tunnels, light, panoramic memory, beings, interconnectedness, and altered time perception
- Associations with temporal-parietal junction activity and altered sensory integration
- Correlations with long-term personality change, reduced fear of death, and increased meaning orientation
- Ongoing debate regarding whether NDEs are fully neurological, symbolic, transpersonal, or some combination
- Recognition that subjective meaning and narrative integration are psychologically significant regardless of explanatory framework